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NEWS 2 DEC 01 ChemPort single article sales feature unavailable  
NEWS 3 FEB 02 Simultaneous left and right truncation (SLART) added  
for CERAB, COMPUAB, ELCOM, and SOLIDSTATE  
NEWS 4 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING  
NEWS 5 FEB 06 Patent sequence location (PSL) data added to USGENE  
NEWS 6 FEB 10 COMPENDEX reloaded and enhanced  
NEWS 7 FEB 11 WTEXTILES reloaded and enhanced  
NEWS 8 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS  
patent records provide insights into related prior  
art  
NEWS 9 FEB 19 Increase the precision of your patent queries -- use  
terms from the IPC Thesaurus, Version 2009.01  
NEWS 10 FEB 23 Several formats for image display and print options  
discontinued in USPATFULL and USPAT2  
NEWS 11 FEB 23 MEDLINE now offers more precise author group fields  
and 2009 MeSH terms  
NEWS 12 FEB 23 TOXCENTER updates mirror those of MEDLINE - more  
precise author group fields and 2009 MeSH terms  
NEWS 13 FEB 23 Three million new patent records blast AEROSPACE into  
STN patent clusters  
NEWS 14 FEB 25 USGENE enhanced with patent family and legal status  
display data from INPADOCDB  
NEWS 15 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display  
formats  
NEWS 16 MAR 11 EFFULL backfile enhanced with additional full-text  
applications and grants  
NEWS 17 MAR 11 ESBIOBASE reloaded and enhanced  
NEWS 18 MAR 20 CAS databases on STN enhanced with new super role  
for nanomaterial substances  
NEWS 19 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent  
equivalents from China  
NEWS 20 MAR 30 IMSPATENTS reloaded and enhanced  
NEWS 21 APR 03 CAS coverage of exemplified prophetic substances  
enhanced  
NEWS 22 APR 07 STN is raising the limits on saved answers  
NEWS 23 APR 24 CA/CAPLUS now has more comprehensive patent assignee  
information  
NEWS 24 APR 26 USPATFULL and USPAT2 enhanced with patent  
assignment/reassignment information  
NEWS 25 APR 28 CAS patent authority coverage expanded  
NEWS 26 APR 28 ENCOMPLIT/ENCOMPLIT2 search fields enhanced  
NEWS 27 APR 28 Limits doubled for structure searching in CAS  
REGISTRY

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,

AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:38:11 ON 04 MAY 2009

=>

=> file cap

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'CAPLUS' ENTERED AT 07:38:21 ON 04 MAY 2009

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FILE COVERS 1907 - 4 May 2009 VOL 150 ISS 19

FILE LAST UPDATED: 3 May 2009 (20090503/ED)

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CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> e methoxy poly(ethylene oxide)40 undecyl methacrylate

E1 1 METHOXXYETHYL/BI

E2 156915 METHOXY/BI

E3 0 --> METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL METHACRYLATE/BI

E4 1 METHOXY0/BI

E5 1 METHOXY0TETRALIN/BI

E6 19 METHOXY1/BI

E7 1 METHOXY10/BI

```

E8      1      METHOXY11/BI
E9      1      METHOXY11B/BI
E10     1      METHOXY12A/BI
E11     1      METHOXY13/BI
E12     1      METHOXY14/BI

```

```

=> e methoxy poly(ethylene oxide)40 undecyl alpha-methacrylate
E13      1      METHOXYETHYL/BI
E14      156915  METHOXY/BI
E15      0 -->  METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL ALPHA-METHACRYLATE/BI
E16      1      METHOXY0/BI
E17      1      METHOXY0TETRALIN/BI
E18      19     METHOXY1/BI
E19      1      METHOXY10/BI
E20      1      METHOXY11/BI
E21      1      METHOXY11B/BI
E22      1      METHOXY12A/BI
E23      1      METHOXY13/BI
E24      1      METHOXY14/BI

```

```

=> s methoxy poly(ethylene oxide)40 undecyl alpha-methacrylate
MISSING OPERATOR 'POLY(ETHYLENE)'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

```

```

=> file reg
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                ENTRY      SESSION
FULL ESTIMATED COST                               1.50          1.72

```

FILE 'REGISTRY' ENTERED AT 07:40:12 ON 04 MAY 2009  
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```

STRUCTURE FILE UPDATES:    3 MAY 2009  HIGHEST RN 1141929-94-3
DICTIONARY FILE UPDATES:   3 MAY 2009  HIGHEST RN 1141929-94-3

```

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 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

```

=> e methoxy poly(ethylene oxide)40 undecyl methacrylate/cn
E25      1      METHOXY PEG 4000/CN
E26      1      METHOXY POLY(ETHYLENE GLYCOL) 4-NITROPHENOL CARBONATE/CN
E27      0 -->  METHOXY POLY(ETHYLENE OXIDE)40 UNDECYL METHACRYLATE/CN
E28      1      METHOXY POLYETHYLENE GLYCOL ACETALDEHYDE/CN
E29      1      METHOXY POLYETHYLENE GLYCOL ACRYLATE HOMOPOLYMER/CN
E30      1      METHOXY POLYETHYLENE GLYCOL METHACRYLATE/CN

```

E31 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE HOMOPOLYMER/CN  
 E32 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE-3-(METHACRYLOYLAMIN  
 O)PROPYL TRIMETHYLAMMONIUM CHLORIDE COPOLYMER/CN  
 E33 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHACRYLOYLAMINOPR  
 OPYLTRIMETHYLAMMONIUM MONOMETHYL SULFATE GRAFT COPOLYMER/CN  
 E34 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL ACRYLATE-SOD  
 IUM METHACRYLATE COPOLYMER/CN  
 E35 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL ACRYLATE-SOD  
 IUM METHACRYLATE-SODIUM METHALLYLSULFONATE COPOLYMER/CN  
 E36 1 METHOXY POLYETHYLENE GLYCOL METHACRYLATE-METHYL METHACRYLATE  
 -4-VINYLPYRIDINE COPOLYMER/CN

=> s e30

L1 1 "METHOXY POLYETHYLENE GLYCOL METHACRYLATE"/CN

=> s e30/cn

L2 1 "METHOXY POLYETHYLENE GLYCOL METHACRYLATE"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 26915-72-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Poly(oxy-1,2-ethanediyl),  $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -  
 methoxy- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycols, polyethylene, monomethacrylate, methyl ether (8CI)

CN Methacrylic acid, ester with polyethylene glycol methyl ether (8CI)

OTHER NAMES:

CN Bisomer 350  
 CN Bisomer MPEG 1000MA  
 CN Bisomer MPEG 350MA  
 CN Bisomer MPEG 550MA  
 CN Bisomer S 10W  
 CN Bisomer S 20W  
 CN Bisomer S 7W  
 CN Blemmer PME 1000  
 CN Blemmer PME 150  
 CN Blemmer PME 200  
 CN Blemmer PME 400  
 CN Blemmer PME 4000  
 CN Blemmer PME 450  
 CN Blemmer PME 550  
 CN CD 522  
 CN CD 550  
 CN CD 552  
 CN FA 400M  
 CN Light Ester 041M  
 CN Light Ester 041MA  
 CN Light Ester 130MA  
 CN Light Ester M 230G  
 CN M 230G  
 CN M 40G  
 CN M 900G  
 CN M 90G  
 CN MAE 400  
 CN ME 100  
 CN ME 100 (polyoxyalkylene)  
 CN ME 20  
 CN ME 20 (polyoxyalkylene)  
 CN ME 200  
 CN ME 200 (polyoxyalkylene)

CN ME 40  
 CN MEO 4  
 CN Methoxy polyethylene glycol methacrylate  
 CN Methoxypolyethylene glycol monomethacrylate  
 CN MG 8  
 CN MPEG 550 methacrylate  
 CN MPEG 550MA  
 CN MPG 130MA  
 CN NF Bisomer S 20W  
 CN NK Ester M 1000G  
 CN NK Ester M 100G  
 CN NK Ester M 130G  
 CN NK Ester M 20  
 CN NK Ester M 230  
 CN NK Ester M 230G

ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for DISPLAY

DR 862118-84-1, 876930-62-0, 1007311-66-1, 161161-97-3, 122093-20-3, 133184-10-8, 96256-82-5, 104491-18-1, 106340-32-3, 115402-22-7, 136036-18-5, 112352-67-7, 138981-97-2, 139091-15-9, 142233-43-0, 78623-21-9, 152730-80-8, 110540-42-6, 156932-34-2, 161126-65-4, 180028-35-7, 189638-26-4, 191940-85-9, 218956-80-0, 220654-94-4, 256488-92-3, 292149-01-0

MF (C2 H4 O)n C5 H8 O2

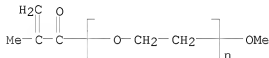
CI PMS, COM

PCI Polyether

LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL, USPATOLD

Other Sources: NDSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

806 REFERENCES IN FILE CA (1907 TO DATE)

269 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

807 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file cap

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.67

16.39

FILE 'CAPLUS' ENTERED AT 07:42:32 ON 04 MAY 2009

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FILE COVERS 1907 - 4 May 2009 VOL 150 ISS 19  
FILE LAST UPDATED: 3 May 2009 (20090503/ED)

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```
=> s l2
L3          807 L2
```

```
=> s L2RACT
L4          0 L2RACT
```

```
=> s L2/RACT
          807 L2
          3272257 RACT/RL
L5        210 L2/RACT
          (L2 (L) RACT/RL)
```

```
=> s au=yang
NUMERIC VALUE NOT VALID 'YANG'
Numeric values may contain 1-8 significant figures. If range notation is used, both the beginning and the end of the range must be specified, e.g., '250-300/MW'. Expressions such as '250-/MW' are not allowed. To search for values above or below a given number, use the >, =, <, or <= operators, e.g., 'MW => 250'. Text terms cannot be used in numeric expressions. If you specify a unit, it must be dimensionally correct for that field code. To see the unit designations for field codes in the current file, enter "DISPLAY UNIT ALL" at an arrow prompt (=>).
```

```
=> e au=yang
E37      2      AU9S/BI
E38      1      AU9S2/BI
E39      0 --> AU=YANG/BI
E40     350     AUA/BI
E41      1      AUA0/BI
E42     11      AUA1/BI
E43      5      AUA2/BI
E44      1      AUA2CL/BI
E45      4      AUA3/BI
E46     14      AUA4/BI
E47      1      AUA440/BI
E48      1      AUA6665/BI
```

```
=> e yang yi/au
E49      1      YANG YEZHONG/AU
E50      2      YANG YEZHOU/AU
E51     1355 --> YANG YI/AU
E52      1      YANG YI BAO/AU
E53      2      YANG YI BIAO/AU
```

E54	7	YANG YI BIN/AU
E55	2	YANG YI BING/AU
E56	2	YANG YI BING OU/AU
E57	4	YANG YI BO/AU
E58	1	YANG YI CAN/AU
E59	14	YANG YI CHANG/AU
E60	4	YANG YI CHAO/AU

```
=> s e51
L6      1355 "YANG YI"/AU
```

```
=> file reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          10.22      26.61
```

FILE 'REGISTRY' ENTERED AT 07:46:40 ON 04 MAY 2009  
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```
STRUCTURE FILE UPDATES:      3 MAY 2009  HIGHEST RN 1141929-94-3
DICTIONARY FILE UPDATES:     3 MAY 2009  HIGHEST RN 1141929-94-3
```

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 experimental property data in the original document. For information  
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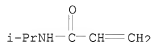
<http://www.cas.org/support/stngen/stdoc/properties.html>

```
=> e isopropylacrylamide/cn
E61      1  ISOPROPYLACETYLACETONE/CN
E62      1  ISOPROPYLACETYLENE/CN
E63      1 --> ISOPROPYLACRYLAMIDE/CN
E64      1  ISOPROPYLACRYLAMIDE-ACRYLIC ACID DIBLOCK COPOLYMER/CN
E65      1  ISOPROPYLACRYLAMIDE-L-LYSINE GRAFT COPOLYMER/CN
E66      1  ISOPROPYLACRYLAMIDE-LACTIDE DIBLOCK COPOLYMER/CN
E67      1  ISOPROPYLACRYLAMIDE-MALEIC ANHYDRIDE-POLYETHYLENE GLYCOL COP
          OLYMER/CN
E68      1  ISOPROPYLACRYLAMIDE-METHACRYLIC ACID COPOLYMER/CN
E69      1  ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-METHYL METHACRYLATE COP
          OLYMER/CN
E70      1  ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-METHYLENEBISACRYLAMIDE
          COPOLYMER/CN
E71      1  ISOPROPYLACRYLAMIDE-METHACRYLIC ACID-SODIUM 2-ACRYLAMIDO-2-M
          ETHYL-1-PROPANESULFONATE COPOLYMER/CN
E72      1  ISOPROPYLACRYLAMIDE-METHYL METHACRYLATE BLOCK COPOLYMER/CN
```

```
=> s e63
L7      1  ISOPROPYLACRYLAMIDE/CN
```

=> d 17

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 2210-25-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2-Propenamide, N-(1-methylethyl)- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Acrylamide, N-isopropyl- (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 4,4-Dimethyl-2-vinyloxazol-5-one  
CN Isopropylacrylamide  
CN N-(1-Methylethyl)-2-propenamide  
CN N-Isopropylacrylamide  
CN N-Isopropylpropenamide  
CN NIPAAm  
CN NIPAM  
CN NSC 11448  
MF C6 H11 N O  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS,  
CASREACT, CBNN, CHEMCATS, CHEMLIST, CIN, CSCHEM, EMBASE, HSDB\*, IFICDB,  
IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO,  
TOXCENTER, USPAT2, USPATFULL, USPATOLD  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1123 REFERENCES IN FILE CA (1907 TO DATE)  
356 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1132 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAP

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.36	34.97

FILE 'CAPLUS' ENTERED AT 07:47:47 ON 04 MAY 2009  
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=> s L7

L8 1132 L7

=> s L3 AND L8

L9 11 L3 AND L8

=> d L9 1-11 ibib abs

L9 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2009:21819 CAPLUS

DOCUMENT NUMBER: 150:106149

TITLE: Polymers based on water-soluble monoolefinic monomers comprising colloidal silica and their use as matrix polymers for solid dosage forms

INVENTOR(S): Mertoglu, Murat; Kolter, Karl; Mathauer, Klemens; Rossler, Gerhard

PATENT ASSIGNEE(S): BASF SE, Germany

SOURCE: U.S. Pat. Appl. Publ., 5pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
US 20090011017	A1	20090108	US 2008-164246	20080630
PRIORITY APPLN. INFO.:			EP 2007-111849	A 20070705

AB The invention relates to novel polymers based on monoolefinic monomers and colloidal silica, a process for manufacturing such polymers and their use as matrix polymers in pharmaceutical or cosmetic preps. Copolymers are obtained by free-radical polymerization of a mixture of (a) 80 to 99% by weight of a monoolefinic monomer selected from the group consisting of acrylic monomers, methacrylic monomers and N-vinyl lactam monomers (monomers a) and (b) 1 to 20% by weight of a monoolefinic silane monomer (monomer b), in the presence of colloidal amorphous silica, with the proviso that the total of components (a) and (b) equals 100% by weight. Thus, a clear polymer gel was prepared by polymerization at 80° of 87.5 g of N-vinylpyrrolidone, 12.5 g of (3-methacryloyloxy)propyltrimethoxysilane, and 1.88 g of Levasil 200A in 500 g water, using 2 g of free-radical polymerization initiator 2,2'-azobis(2-amidinopropane) dihydrochloride (Wako V50) in 50 g water, and dried at 50°. A mixture of propranolol HCl 160 mg, the copolymer prepared 160 mg, highly disperse silica 3.4 mg, and magnesium stearate 1.6 mg was compressed into tablets having a strength at break and friability of 68 N and <0.1%, resp.

L9 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1155669 CAPLUS

DOCUMENT NUMBER: 149:408949  
 TITLE: Cationic latex as a carrier for active ingredients and methods for making and using the same  
 INVENTOR(S): Krishnan, Venkataram  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 36pp., Cont.-in-part of U.S. Ser. No. 895541.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080233062	A1	20080925	US 2008-116006	20080506
US 20080057049	A1	20080306	US 2007-895541	20070824
PRIORITY APPLN. INFO.:			US 2006-839973P	P 20060824
			US 2007-895541	A2 20070824

AB This invention relates to the field of polymeric materials that can be used in combination with a wide variety of substrates, such as textiles, metal, cellulosic materials, plastics, and the like, and to the field of active agents including, for example, antimicrobial, antibacterial, and antifungal materials. This invention further relates to latex polymer coatings that comprise at least one active component as well as methods for making and using such latex compns. Thus, deodorant composition was prepared comprising DC245 fluid 49.30%, Bentone gel VS-5/PC 13.50%, Puresyn 4 10.0%, Asensa CL 110 1.0%, Cabosil M5 0.2%, Reach AZP 908 SUF 24.0%, and dipropylene glycol 2.0%.

L9 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2008:1072943 CAPLUS  
 DOCUMENT NUMBER: 149:333555  
 TITLE: A high throughput screening method and apparatus to produce modified polymers particularly membranes  
 INVENTOR(S): Belfort, Georges; Kilduff, James; Zhou, Mingyan; Anderson, Daniel; Langer, Robert  
 PATENT ASSIGNEE(S): Rensselaer Polytechnic Institute, USA; Massachusetts Institute of Technology  
 SOURCE: PCT Int. Appl., 47pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008106323	A2	20080904	WO 2008-US53866	20080213
WO 2008106323	A3	20081016		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GD, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,			

AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA  
PRIORITY APPLN. INFO.: US 2007-904032P P 20070228

AB The present invention discloses a method of screening forms of monomers for effects of their polymers on a filter. This involves providing a multiple well filter, applying a monomer solution to one or more wells of the filter, polymerizing the monomer to produce a polymer-modified filter, evaluating the polymer-modified filter's performance, and comparing the performance of the polymer-modified filter to the performance of the filter to determine the effect that the polymerizing the monomer has on the performance of the filter. The present invention also relates to a method of producing a polymer-modified, multiple well filter and to an apparatus for screening forms of monomers for effects of their polymers on a filter. Also disclosed is a product which includes various monomers polymerized to a polyethersulfone as well as a method of producing such modified polyethersulfones.

L9 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:702777 CAPLUS  
DOCUMENT NUMBER: 149:38818  
TITLE: Controlled release drug formulations containing crystalline side chain polymers  
INVENTOR(S): Taft, David D.; Bitler, Steven P.; Zheng, Qiang; Tzannis, Stelios T.; Bell, Adam Warwick  
PATENT ASSIGNEE(S): Landec Corporation, USA  
SOURCE: PCT Int. Appl., 138pp., .  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008070118	A1	20080612	WO 2007-US24909	20071204
WO 2008070118	A9	20080918		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			

US 20080269105 A1 20081030 US 2007-999415 20071204

PRIORITY APPLN. INFO.: US 2006-873234P P 20061205

AB Formulations of drugs and crystalline side chain polymers provide controlled and/or sustained release drug formulations. E.g., an octadecyl acrylate-acrylic acid polymer is prepared and a formulation containing this polymer a risperidone was prepared

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:473195 CAPLUS  
DOCUMENT NUMBER: 148:456600  
TITLE: Superporous hydrogels for heavy-duty applications, such as the low pH environment of the gastric fluid of the stomach

INVENTOR(S): Omidian, Hossein; Rocca, Jose G.  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 29pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080089940	A1	20080417	US 2007-774069	20070706
WO 2009029087	A2	20090305	WO 2007-US72892	20070706
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: US 2006-818891P P 20060706

AB The present invention features modified superporous hydrogels (SPHs) and methods for their formation. The SPHs of the present invention are prepared by careful selection of the hydrophobic/hydrophilic reactive ingredients and by harmonizing the foaming and polymerization reactions, which results in

the

formation of SPHs having a homogeneous structure and favorable phys. and mech. properties, including swelling, strength, ruggedness, and resiliency. The SPHs of the present invention are particularly useful when employed in very harsh swelling environments, such as the low pH environment of the gastric fluid of the stomach, for extended periods of time. Thus, samples of pHEMA-AAc/Al<sup>3+</sup> containing different amts. of aluminum were put into an oven at 95% humidity and 40°; after 1 h, they were removed and manually tested for hardness; they were put back into the oven and incubated overnight, then again removed and manually tested for hardness; finally, the pHEMA-AAc/Al<sup>3+</sup> SPHs were left in ambient conditions for a few days and manually tested for hardness again. Samples that were put into a humid oven quickly became soft; they were softened within one hour of being put into the oven and were still soft upon later removal from the oven; the process of moisture absorption can be catalyzed by incorporating moisture absorptive materials into the SPH structure, such as silica gel, superdisintegrants, and super water absorbents; polyHEMA SPHs can be encapsulated at conditions where relative humidity and temperature of the environment are favorable for SPH plasticization to occur.

L9 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:471183 CAPLUS  
 DOCUMENT NUMBER: 148:483156  
 TITLE: Silver salt photothermographic dry imaging material containing amphiphilic polyacrylamides and manufacture thereof

INVENTOR(S): Ishige, Osamu; Sakuragi, Rie; Fukusaka, Kiyoshi  
 PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 45pp.  
 CODEN: JKXXAF

DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2008090217	A	20080417	JP 2006-273774	20061005
PRIORITY APPLN. INFO.:			JP 2006-273774	20061005
AB	Disclosed is a silver salt photothermog. dry imaging material containing a nonphotosensitive Ag aliphatic carboxylate grain, a photosensitive Ag halide grain, a reducing agent, a binder, and an amphiphilic polymer, wherein the amphiphilic polymer contains acrylamides having a polyoxyalkylene group as a polymerizing component. The acrylamides may be represented by $\text{CH}_2=\text{CR}_1-\text{C}(\text{:O})\text{NR}_2[\text{L}-(\text{O}-\text{Alk})_n-\text{X}]$ ( $\text{R}_1 = \text{H}$ , alkyl; $\text{R}_2 = \text{H}$ , alkyl, aryl; $\text{L} =$ divalent linking group; $\text{Alk} =$ alkylene; $\text{X} = \text{H}$ , substituent; and $n = 2-1,000$ ).			

L9 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:471175 CAPLUS  
DOCUMENT NUMBER: 148:459545  
TITLE: Silver salt photothermographic dry imaging material with high sensitivity and low fogging containing amphiphilic polymer and manufacture thereof  
INVENTOR(S): Ishige, Osamu; Sakuragi, Rie; Fukusaka, Kiyoshi  
PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 43pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2008090132	A	20080417	JP 2006-272701	20061004
PRIORITY APPLN. INFO.:			JP 2006-272701	20061004
AB	Disclosed is a silver salt photothermog. dry imaging material containing on a support a nonphotosensitive Ag aliphatic carboxylate grain, a photosensitive Ag halide grain, a reducing agent, a binder, and an amphiphilic polymer, wherein the amphiphilic polymer is a copolymer containing a N-vinyl monomer unit. The N-vinyl monomer unit may include a heterocyclic vinyl monomer.			

L9 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2009 ACS ON STN

ACCESSION NUMBER: 2008:374323 CAPLUS  
DOCUMENT NUMBER: 148:387263  
TITLE: Controlled drug delivery devices made from degradable cationic siloxanyl macromonomers  
INVENTOR(S): Kunzler, Jay F.; Schorzman, Derek; Ammon, Daniel M.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 17pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 20080075780	A1	20080327	US 2006-527913	20060927
PRIORITY APPLN. INFO.:			US 2006-527913	20060927
AB	Matrix controlled diffusion drug delivery devices based on one or more silicon-containing monomers are as set forth herein.			

L9 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:971015 CAPLUS

DOCUMENT NUMBER: 147:288199

TITLE: Method of preparing aqueous microparticle organic solvent dispersion

INVENTOR(S): Ito, Satoshi; Fujikura, Kazuhiko; Tsuji, Nobuaki

PATENT ASSIGNEE(S): Konica Minolta Medical & Graphic, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007218953	A	20070830	JP 2006-36174	20060214

PRIORITY APPLN. INFO.: JP 2006-36174 20060214

AB Disclosed is a process comprising effective removal of a 1st organic solvent from a dispersion of a hydrophillic polymer protective colloid by using a gravity separation method prior to addition of a 2nd organic solvent to the dispersion.

L9 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:692233 CAPLUS

DOCUMENT NUMBER: 132:61192

TITLE: Poly(N-isopropylacrylamide)-g-poly(ethyleneoxide) for high resolution and high speed separation of DNA by capillary electrophoresis

AUTHOR(S): Liang, Dehai; Song, Liguu; Zhou, Shuiqin; Zaitsev, Vladimir S.; Chu, Benjamin

CORPORATE SOURCE: Department of Chemistry, State University of New York at Stony Brook, Stony Brook, NY, 11794-3400, USA

SOURCE: Electrophoresis (1999), 20(14), 2856-2863

CODEN: ELCTDN; ISSN: 0173-0835

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A new separation medium, poly(N-isopropylacrylamide)-g-poly(ethyleneoxide) (PNIPAM-g-PEO) solution, used for double-stranded (ds) DNA separation by capillary

electrophoresis (CE) is presented. This type of grafted copolymer has a good self-coating ability for quartz capillary tubing and a slightly temperature-dependent viscosity-adjustable property, making it easier to use. One bp resolution was achieved within 12.5 min by using 8% w/v PNIPAM-g-PEO in 1 + TBE (Tris-borate-EDTA) buffer with an effective column length of 10 cm and an applied elec. field strength of 200 V/cm. The PNIPAM-g-PEO solns. had a high sieving ability for relatively small sized DNAs with the relative standard derivation for the first 10 runs being less than 0.9% by using the same polymer solution. With 8% w/v PNIPAM-g-PEO solution in a 1.5 cm column and 2400 V as the running voltage,  $\Phi$ -174/HaeIII digest could be clearly separated within 24 s.

REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:546686 CAPLUS

DOCUMENT NUMBER: 131:283526

TITLE: Copolymers of Poly(N-isopropylacrylamide) Densely Grafted with Poly(ethylene oxide) as High-Performance Separation Matrix of DNA

AUTHOR(S): Liang, Dehai; Zhou, Shuiqin; Song, Liguu; Zaitsev,

CORPORATE SOURCE: Vladimir S.; Chu, Benjamin  
 Department of Chemistry, State University of New York  
 at Stony Brook, Stony Brook, NY, 11794-3400, USA  
 SOURCE: Macromolecules (1999), 32(19), 6326-6332  
 CODEN: MAMOBX; ISSN: 0024-9297  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Two high mol. weight copolymers of poly(N-isopropylacrylamide) (PNIPAM) densely grafted with a short poly(ethylene oxide) (PEO) chains (PNIPAM-g-PEO) were studied by NMR and laser light scattering. The long PNIPAM chains with densely grafted PEO branches had a random coil conformation at very dilute concns. and low temps. (i.e., T ≤ 30°). When the temperature was increased above 31°, the copolymers could undergo a broad "coil-to-globule" transition. The collapsed copolymer chains had a <Rg>/<Rh> value of about 1.0 with PNIPAM chains inside the core and the hydrophilic PEO chains on the surface. This kind of PNIPAM-g-PEO copolymers was studied as a DNA separation medium in capillary electrophoresis. Several advantages of the copolymers as a separation medium for DNA fragments were achieved, such as an automatic coating ability for the capillary inner wall, an easier injection into the capillary channel due to the slightly adjustable viscosity with temperature (up to 31°), a high resolution (i.e., one base pair resolution), and fast separation time. In contrast, the homo-PNIPAM or PEO showed worse DNA separation efficiency under similar conditions. The high DNA separation efficiency of the PNIPAM-g-PEO copolymers is related to the polymer chain conformation. The long copolymer chains in a random coil conformation with densely grafted PEO branches could form a phys. network with a relatively stable and uniform pore size at high concns. (i.e., ≥10 weight %). The separation medium has a high sieving ability for DNA separation in terms of DNA migration mechanisms. The collapsed copolymer chains in the globule state could destroy the chain network and thus lose the DNA separation ability.  
 REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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